

NJDOT Bureau of Research
QUARTERLY PROGRESS REPORT

Project Title:	Tower Street Lighting		
RFP NUMBER: 7192678	NJDOT RESEARCH PROJECT MANAGER: Stefanie Potapa		
TASK ORDER NUMBER: 13	PRINCIPAL INVESTIGATOR: Josh DeFlorio		
Project Starting Date: 1/26/2010 Project Ending Date: 1/25/2011	Period Starting Date: 10/1/2010 Period Ending Date: 12/31/2010		

Task	% of Total Project Budget	Total Budget	% of Task This Quarter	Cost This Quarter	% of Task to Date	Total Cost to Date
1. Kick Off Meeting	9%	\$4,056	0%	\$0	100%	\$4,056
2. Literature Review	13%	\$5,858	0%	\$0	100%	\$5,858
3. Choose Alternative Application Sites	6%	\$2,704	0%	\$0	100%	\$2,704
4. Choose lighting Systems	7%	\$3,154	0%	\$0	100%	\$3,154
5. Analyze Base Case Lighting Systems	11%	\$4,957	0%	\$0	100%	\$4,957
6. Create Test Case Lighting Systems	14%	\$6,309	100%	\$0	100%	\$6,309
7. Conduct Performance Comparisons for all Cost and Safety Factors	22%	\$9,914	100%	\$0	100%	\$9,914
8. Final Report	18%	\$8,111	18%	\$1,503	100%	\$8,111
TOTAL	100%	\$45,062		\$1,503	100%	\$45,062

Project Objectives:

The objectives of this project are to:

Provide technical staff with a framework for understanding the potential benefits and constraints associated with utilizing high mast lighting in place of conventional lighting systems in appropriate contexts.

Project Abstract:

This study will explore the potential benefits of replacing conventional highway lighting systems with high mast systems. Factors subject to comparative evaluation include 1) the ease and cost of maintenance, including expected man hours 2) the safety of maintenance personnel, 3) cost/benefit analysis, including capital costs, maintenance costs, energy costs,

and anticipated system life, 4) impacts on the safety of the motoring public, and 5) impacts on the environment and aesthetics.

1. Progress this quarter by task:

Task 1:

- n/a

Task 2:

- n/a

Task 3:

- n/a

Task 4:

- n/a

Task 5:

- n/a

Task 6:

- n/a

Task 7:

- n/a

Task 8:

- Documented revised design
- Submit Final Report

2. Proposed activities for next quarter by task

Task 1:

- Complete.

Task 2:

- Complete.

Task 3:

- Complete.

Task 4:

- Complete.

Task 5:

- Complete.

Task 6:

- Complete.

Task 7:

- Complete.

Task 8:

- Complete

3. List of deliverables provided in this quarter by task (product date)

- Final report (12/15)
- Tech Brief (12/15)

4. Progress on Implementation and Training Activities:

- No work on implementation or training in this period.

5. Problems/Proposed Solutions:

- No problems identified for this period

Total Project Budget	\$45,062.46
Contract Amount:	\$45,062.46
Total Project Expenditure to date	\$45,062.46
% of Total Project Budget Expended	100%